# **PATENT COOPERATION TREATY**

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as well	see Form PCT/ISA/220 I as, where applicable, item 5 below.
X16440 International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US2004/039766	15/12/2004	22/12/2002
Applicant	13/12/2004	22/12/2003
ELI LILLY AND COMPANY		
according to Article 18. A copy is being	een prepared by this International Searching Aut transmitted to the International Bureau.	hority and is transmitted to the applicant
l —	sts of a total of5 sheets.  by a copy of each prior art document cited in this	s report.
language in which it was filed,	he international search was carried out on the ba unless otherwise indicated under this item.	
this Authority (	, ,,	
	electide and/or amino acid sequence disclosed out of the control o	in the international application, see Box No. I.
	,	
	acking (see Box III).	
With regard to the title,     The text is approved as	submitted by the applicant.	
	blished by this Authority to read as follows:	
	•	
5. With regard to the abstract,		
	submitted by the applicant.	
	blished, according to Rule 38.2(b), by this Author from the date of mailing of this international sear	
6. With regard to the drawings,		
a. the figure of the drawings to b	e published with the abstract is Figure No	
	by the applicant.	
	this Authority, because the applicant failed to su	3
l — —	this Authority, because this figure better charact be published with the abstract.	enzes the invention.

International Application No PCT/US2004/039766

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D409/14 C07D401/04 C07D213/82 C07D213/78 A61K31/4427

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/026305 A (ELI LILLY AND COMPANY; BLANCO-PILLADO, MARIA-JESUS; CHAPPELL, MARK, DO) 1 April 2004 (2004-04-01) Intermediates 23 and 24, Examples 380 and 386 and N-BOC protected precursors.	1-4,8-13
P,A	the whole document	1-25
X	WO 02/38544 A (ELI LILLY AND COMPANY; JESUDASON, CYNTHIA, DARSHINI; SALL, DANIEL, JON) 16 May 2002 (2002-05-16) page 32, amines 6,7 and 10.	1-4,7, 9-13
Α	the whole document	1-25
P,A	WO 2004/080968 A (ELI LILLY AND COMPANY; PEDREGAL-TERCERO, CONCEPCION; SIEGEL, MILES, GO) 23 September 2004 (2004-09-23) the whole document	1-25

Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance      E* earlier document but published on or after the international filling date      L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      O* document referring to an oral disclosure, use, exhibition or other means      P* document published prior to the international filing date but later than the priority date claimed	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  27 May 2005	Date of mailing of the international search report 03/06/2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nt,  Fax: (+31-70) 340-3016	Authorized officer  Von Daacke, A

Form PCT/ISA/210 (second sheet) (January 2004)

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International Application No
PCT/US2004/039766

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C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
P,A	WO 2004/080996 A (ELI LILLY AND COMPANY; BLANCO-PILLADO, MARIA, JESUS; BENESH, DANA, RAE) 23 September 2004 (2004-09-23) the whole document	1-25			
A	WO 00/40560 A (FUJISAWA PHARMACEUTICAL CO., LTD; TANIGUCHI, KIYOSHI; SAKURAI, MINORU;) 13 July 2000 (2000-07-13) the whole document	1-25			
A	WO 98/09625 A (ELI LILLY AND COMPANY; CROWELL, THOMAS, A; EVRARD, DEBORAH, A; JONES,) 12 March 1998 (1998-03-12) the whole document 	1-25			
	. •				

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International application No. PCT/US2004/039766

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 19-23,25 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:  .
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

Information on patent family members

International Application No PCT/US2004/039766

	atent document I in search report		Publication date		Patent family member(s)		Publication date
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